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#### CLAIMS

1. A user authentication system, comprising:

an address data storing device for storing an address data of a portable terminal owned by a user in advance by relating it to an identification data peculiar to the user for identifying the user;

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an input device for receiving an input of the identification data from the user;

a corresponding data generating device for generating and storing a corresponding data which corresponds to the inputted identification data;

a corresponding data transmitting device for transmitting the corresponding data generated in the corresponding data generating device to the address data which is related to the identification data by extracting the address data from the address data storing device; and also

a collation device for collating to check, when the corresponding data is inputted by the user through the input device, whether or not the corresponding data is consistent with the corresponding data which has been generated and stored by the corresponding data generating device.

2. A user authentication system, comprising:

an input device for receiving from a user an input of an address data of a portable terminal owned by the user;

a corresponding data generating device for generating and storing a corresponding data which corresponds to the inputted address data;

a corresponding data transmitting device for transmitting the corresponding data generated in the corresponding data generating device to the address data received in the input device; and also

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a collation device for collating to check, when the corresponding data is inputted by the user through the input device, whether or not the corresponding data is consistent with the corresponding data which has been generated and stored by the corresponding data generating device.

## 3. A user authentication system, comprising:

an address data storing device for storing an address data of a portable terminal owned by a user in advance by relating it to an identification data peculiar to the user for identifying the user;

an input device for receiving an input of the identification data from the user;

a corresponding data generating device for generating and storing a corresponding data which corresponds to the inputted identification data;

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a display device for displaying the generated corresponding data so as to be viewed by the user who has inputted the identification data to the input device;

an input screen transmitting device for transmitting an input screen data which is to be displayed in the portable terminal of the user for requesting an input of the corresponding data to the address data by extracting the address data being related to the identification data from the address data storing device; and also

a collation device for collating to check whether or not the corresponding data is consistent with the corresponding data which has been generated and stored by the corresponding data generating device by receiving the corresponding data from the portable terminal, which is inputted to the input screen displayed in the portable terminal.

# 4. A user authentication system, comprising:

an input device for receiving from a user an input of an address data of a portable terminal owned by the user;

a corresponding data generating device for generating and 5 storing a corresponding data which corresponds to the inputted address data:

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a display device for displaying the generated corresponding data so as to be viewed by the user who has inputted the address data to the input device;

an input screen transmitting device for transmitting an input screen data which is to be displayed in the portable terminal of the user for requesting an input of the corresponding data to the address data which is received in the input device; and also

a collation device for collating to check whether or not the corresponding data is consistent with the corresponding data which has been generated and stored by the corresponding data generating device by receiving the corresponding data from the portable terminal, which is inputted to the input screen displayed in the portable terminal.

5. A data providing system, using the user authentication system according to claim 1 for performing user authentication and for providing a data used in a portable terminal to the portable terminal of the user after being authenticated, the data providing system comprising:

a data request receiving device for receiving a data request inputted through the input device from a user who is authenticated as a result of the collation performed by the

collation device; and

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a requested data transmitting device for transmitting a prescribed data which corresponds to the received request to an address data of the user.

6. The data providing system according to claim 5, wherein:

the data request receiving device comprises a portal specifying information receiving function for receiving portal specifying information from a user, which specifies contents of a portal site to be accessed by the portable terminal of the user; and

the requested data transmitting device comprises a function of transmitting a site address data to the portable terminal, which is accessible to a portal site being specified based on the portal specifying information.

7. The data providing system according to claim 5, wherein:

the data request receiving device comprises a deposit amount information receiving function for receiving deposit amount information from the user for specifying a deposit amount for a communication fee to be used in the portable terminal of the user; and

the requested data transmitting device comprises a function of transmitting a communication fee data in an amount according to the deposit amount information to the portable terminal.

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8. A user authentication input apparatus, comprising: an identification data input receiving device for receiving from a user an input of an identification data which is peculiar to the user;

a corresponding data transmission requesting device for transmitting the inputted identification data to an authentication server connected through a network and also for requesting to the authentication server to generate a corresponding data which corresponds to the identification data and transmitting it to an address data of the portable terminal owned by the user who has inputted the identification data;

a corresponding data input receiving device for receiving from the user an input of the corresponding data transmitted to the portable terminal of the user from the authentication server; and

a collation requesting device for requesting to the authentication server to collate to check whether or not the inputted corresponding data is consistent with the data which has been generated in the authentication server.

9. A user authentication input apparatus, comprising: an address data input receiving device for receiving from a user an input of an address data of a portable terminal owned by the user;

a corresponding data transmission requesting device for transmitting the inputted address data to an authentication server connected through a network and also for requesting to the authentication server to generate a corresponding data which corresponds to the address data and transmitting it to the address data;

a corresponding data input receiving device for receiving from the user an input of the corresponding data transmitted to the portable terminal of the user from the authentication server; and

a collation requesting device for requesting to the authentication server to collate to check whether or not the inputted corresponding data is consistent with the data which has been generated in the authentication server.

10. A user authentication input apparatus, comprising: an identification data input receiving device for receiving from a user an input of an identification data which is peculiar to the user; 5

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a corresponding data generation requesting device for transmitting the inputted identification data to authentication server connected through a network and for requesting to the authentication server to generate and return a corresponding data which corresponds to the identification 10 data, while requesting to transmit an input screen data which is to be displayed in the portable terminal of the user for requesting to the user an input of the corresponding data to an address data of the portable terminal owned by the user who has inputted the identification data; and

a display device for displaying the corresponding data returned from the authentication server so as to be viewed by the user who has inputted the identification data to the identification data input receiving device, wherein

the corresponding data displayed in the display device is a data which is inputted to the input screen displayed in the portable terminal of the user and transmitted to the authentication server for being collated to check whether or not it is consistent with the data which has been generated by the authentication server.

11. A user authentication input apparatus, comprising: an address data input receiving device for receiving from a user an input of an address data of a portable terminal owned by the user;

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a corresponding data generation requesting device for transmitting the inputted address data to an authentication server connected through a network and for requesting to the authentication server to generate and return a corresponding data which corresponds to the address data, while requesting to transmit an input screen data which is to be displayed in the portable terminal of the user for requesting to the user an input of the corresponding data to the address data; and

a display device for displaying the corresponding data returned from the authentication server so as to be viewed by the user who has inputted the address data to the address data input receiving device, wherein

the corresponding data displayed in the display device is a data which is inputted to the input screen displayed in the portable terminal of the user and transmitted to the authentication server for being collated to check whether or not it is consistent with the data which has been generated by the authentication server.

### 12. A user authentication server, comprising:

an address data storing device for storing an address data of a portable terminal owned by a user in advance by relating it to an identification data peculiar to the user for

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a corresponding data generating device for receiving the identification data inputted by the user from an input device connected through a network and also for generating and storing a corresponding data which corresponds to the received identification data;

a corresponding data transmitting device for transmitting the corresponding data generated in the corresponding data generating device to the address data which is related to the received identification data by extracting the address data from the address data storing device; and also

a collation device for collating to check whether or not the corresponding data is consistent with the corresponding data which has been generated and stored by the corresponding data generating device by receiving the corresponding data inputted by the user from the input device.

## 13. A user authentication server, comprising:

a corresponding data generating device for receiving an address data of a portable terminal owned by a user, which is inputted by the user from an input device connected through a network and also for generating and storing a corresponding data which corresponds to the received address data;

a corresponding data transmitting device for

transmitting the corresponding data to the received address data; and also

a collation device for collating to check whether or not the corresponding data is consistent with the corresponding data which has been generated and stored by the corresponding data generating device by receiving the corresponding data inputted by the user from the input device.

### 14. A user authentication server, comprising:

an address data storing device for storing an address data of a portable terminal owned by a user in advance by relating it to an identification data peculiar to the user for identifying the user;

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a corresponding data generating device for receiving the identification data inputted by the user from an input device connected through a network and also for generating and storing a corresponding data which corresponds to the received identification data;

a display requesting device for requesting to the input device to display the generated corresponding data so as to be viewed by the user who has input the identification data to the input device;

an input screen transmitting device for transmitting an input screen data which is to be displayed in the portable

terminal of the user for requesting an input of the corresponding data to the address data by extracting the address data which is related to the received identification data from the address data storing device; and also

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a collation device for collating to check whether or not the received corresponding data is consistent with the corresponding data which has been generated and stored by the corresponding data generating device by receiving the corresponding data from the portable terminal, which is inputted to the input screen displayed in the portable terminal.

### 15. A user authentication server, comprising:

a corresponding data generating device for receiving an address data of a portable terminal owned by a user, which is inputted by the user from an input device connected through a network and also for generating and storing a corresponding data which corresponds to the received address data;

a display requesting device for requesting to the input device to display the generated corresponding data so as to be viewed by the user who has input the address data to the input device;

an input screen transmitting device for transmitting an input screen data which is to be displayed in the portable terminal of the user for requesting an input of the

corresponding data to the received address data; and also

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a collation device for collating to check whether or not the received corresponding data is consistent with the corresponding data which has been generated and stored by the corresponding data generating device by receiving the corresponding data from the portable terminal, which is inputted to the input screen displayed in the portable terminal.

16. A portable terminal having a prescribed address data for enabling to receive data, comprising:

a function of, by a user authentication system placed at a prescribed area, receiving an input of identification data peculiar to a user from an owner of the portable terminal, generating a corresponding data corresponded to the identification data, and receiving the corresponding data when the corresponding data is transmitted to the address data of the portable terminal; and

a function of displaying the received corresponding data in a display, wherein

the corresponding data is a data which is inputted to the user authentication system by the user to be collated to check whether or not it is consistent with the data which has been generated by the user authentication system.

17. A portable terminal having a prescribed address data for enabling to receive data, comprising:

a function of, by a user authentication system placed at a prescribed area, receiving an input of an address data of a portable terminal from a user who is an owner of the portable terminal, generating a corresponding data corresponded to the address data, and receiving the corresponding data when the corresponding data is transmitted to the address data of the portable terminal; and

a function of displaying the received corresponding data in a display, wherein

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the corresponding data is a data which is inputted to the user authentication system by the user to be collated to check whether or not it is consistent with the data which has been generated by the user authentication system.

### 18. A user authentication method, comprising:

an input receiving step for receiving from a user an input of an identification data peculiar to the user through an input device;

a corresponding data generating step for generating and storing a corresponding data which corresponds to the inputted identification data:

a corresponding data transmitting step for transmitting

the corresponding data generated in the corresponding data generating step to an address data of the portable terminal owned by the user of the identification data by extracting the address data from an address data storing device in which the identification data and the address data are stored in advance by being related to each other; and also

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a collation step for collating to check, when the corresponding data is inputted by the user through the input device, whether or not the corresponding data is consistent with the corresponding data which has been generated and stored in the corresponding data generating step.

### 19. A user authentication method, comprising:

an input receiving step for receiving from a user an input of an address data of a portable terminal owned by the user through an input device;

a corresponding data generating step for generating and storing a corresponding data which corresponds to the inputted address data;

a corresponding data transmitting step for transmitting the corresponding data generated in the corresponding data generating step to the received address data; and also

a collation step for collating to check, when the corresponding data is inputted by the user through the input

device, whether or not the corresponding data is consistent with the corresponding data which has been generated and stored in the corresponding data generating step.

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20. A user authentication program for achieving, in a computer for authenticating a user when the user logs in:

an address data storing device for storing an address data of a portable terminal owned by a user in advance by relating it to an identification data peculiar to the user for identifying the user;

an input device for receiving an input of the identification data from the user;

a corresponding data generating device for generating and storing a corresponding data which corresponds to the inputted identification data;

a corresponding data transmitting device for transmitting the corresponding data generated in the corresponding data generating device to the address data which is related to the identification data by extracting the address data from the address data storing device; and

a collation device for collating to check, when the corresponding data is inputted by the user through the input device, whether or not the corresponding data is consistent with the corresponding data which has been generated and stored by

the corresponding data generating device.

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21. A user authentication program for achieving, in a computer for authenticating a user when the user logs in:

an input device for receiving from a user an input of an address data of a portable terminal owned by the user;

a corresponding data generating device for generating and storing a corresponding data which corresponds to the inputted address data;

a corresponding data transmitting device for transmitting the corresponding data generated in the corresponding data generating device to the address data received in the input device; and also

a collation device for collating to check, when the corresponding data is inputted by the user through the input device, whether or not the corresponding data is consistent with the corresponding data which has been generated and stored by the corresponding data generating device.